

LEVEL SHIFTER HAVING LOW PEAK CURRENT

ABSTRACT OF THE DISCLOSURE

A level shifter changes an input signal whose level changes between a first voltage level and a ground voltage level into an output signal whose level changes between a second voltage level and the ground voltage level. The level shifter comprising a first input transistor and a second input transistor which receive the input signal and an inversion signal of the input signal, respectively; a first load transistor and a second load transistor, one side of each transistor being connected to the second voltage level; a first switch transistor connected between the first load transistor and the first input transistor, responding to the inversion signal; a second switch transistor connected between the second load transistor and the second input transistor, responding to the input signal; a first output unit for generating an output signal; and a second output unit that generates a complementary signal of the output signal.